

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A data transmitting system for transmitting data to be processed through a TCP/IP-based network to which a plurality of devices including a first device and a second device are connected, the data to be processed being transmitted by said first device and received by said second device,

said first device including:

an identification information obtaining system that transmits first data through the network using a first address which does not specify a destination to obtain identification information of the plurality of devices except said first device,

said second device including:

an identification information transmitting system that transmits second data containing the identification information of said second device through the network using a second multicast address in response to the first data transmitted by said identification information obtaining system of said first device;

said first device further including:

a data transmitting system that transmits the data to be processed through the network using a third multicast address such that only a designated destination device receives the data to be processed, said second device being designated as a destination of the data to be processed,

said second device further including:

a data receiving system that is configured to receive data transmitted from said data transmitting system using the third multicast address if the data transmitted

from said transmitting system is data having said second device as the designated destination
device.